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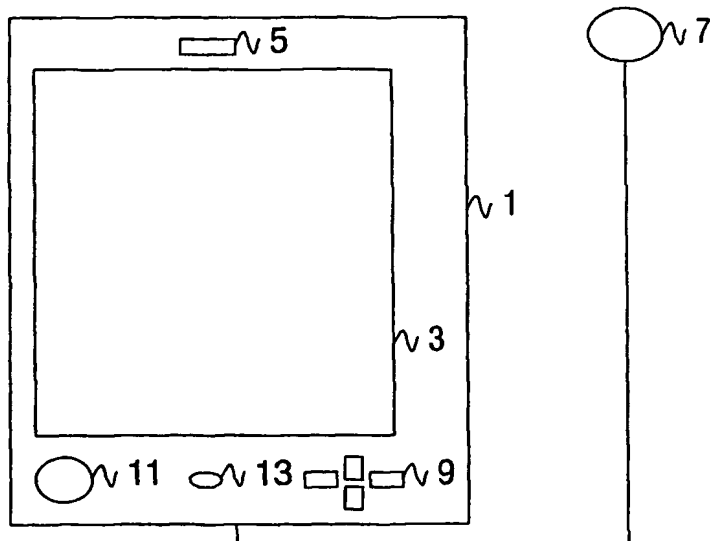
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[Continued on next page]

(54) Title: SYSTEM FOR SHARING HUMAN PERCEPTUAL SIGNALS BETWEEN ELECTRONIC DEVICES



(57) Abstract: The consumer electronics device (1) for making content available consists of an output means (3,5,7), a control unit (23), and a transmitter (21). The control unit (23) is able to create a representation of a human perceptual signal being generated by the output means (3,5,7) and instruct the transmitter (21) to broadcast the representation. The electronics device (1) for accessing new content consists of an output means (3,5,7), a receiver (25), and a control unit (23). The control unit (23) uses the receiver (25) to receive representations of multiple further human perceptual signals and instructs the output means (3,5,7) to generate a human perceptual signal from these multiple representations. The method of making content available consists of creating (41) a representation (51) of a human perceptual signal (49) generated by a consumer electronic device and broadcasting (43) the representation (51). The method of accessing new content consists of receiving (45) representations (51,57,58) of multiple further human perceptual signals (49)

and generating (47) a human perceptual signal (59) from these multiple representations (51,57,58). The system consists of at least two components (61,63) executing the method of making content available and at least one component (65) executing the method of accessing new content. The computer program product enables a programmable device to perform the method of accessing new content.



KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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INTERNATIONAL SEARCH REPORT

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | WO 99 25107 A (WINROTH MATS OLOF ;FRANK ROBERT (SE); TELIA AB (SE)) 20 May 1999 (1999-05-20) page 2, line 10 -page 7, line 34 --- | 1-22 |
| X | WO 01 28221 A (MARTIN PETER ;SIEMENS AG (DE)) 19 April 2001 (2001-04-19) page 1, line 29 -page 5, line 33 figure 1 abstract --- | 1-22 |
| X | WO 00 36857 A (RADIOLINJA AB OY) 22 June 2000 (2000-06-22) page 2, line 30 -page 3, line 22 figure 1 abstract ----- | 1-22 |

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Patent family members are listed in annex.

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| Patent document cited in search report | | Publication date | | Patent family member(s) | Publication date |
|---|---|---------------------|----|----------------------------|---------------------|
| WO 9925107 | A | 20-05-1999 | SE | 518180 C2 | 03-09-2002 |
| | | | EE | 200000220 A | 16-04-2001 |
| | | | EP | 1025687 A2 | 09-08-2000 |
| | | | NO | 20002144 A | 13-06-2000 |
| | | | SE | 9704058 A | 07-05-1999 |
| | | | WO | 9925107 A2 | 20-05-1999 |
| ----- | | | | | |
| WO 0128221 | A | 19-04-2001 | CN | 1379950 T | 13-11-2002 |
| | | | WO | 0128221 A1 | 19-04-2001 |
| | | | EP | 1221254 A1 | 10-07-2002 |
| ----- | | | | | |
| WO 0036857 | A | 22-06-2000 | FI | 982714 A | 16-06-2000 |
| | | | EE | 200100312 A | 15-08-2002 |
| | | | EP | 1142364 A2 | 10-10-2001 |
| | | | WO | 0036857 A2 | 22-06-2000 |
| ----- | | | | | |